

Title (en)

APPARATUS AND METHOD FOR WINDING CONTINUOUS WEBS

Publication

EP 0017277 B1 19830511 (EN)

Application

EP 80200244 A 19800317

Priority

US 2613479 A 19790403

Abstract (en)

[origin: US4191341A] An apparatus and method for winding continuous webs onto a core mandrel wherein the web is in contact with a rotating winding drum and is guided onto an empty core mandrel supported in a first operating position where winding is started and where a partially wound core mandrel is produced; the partially web-wound mandrel is transferred into a second operating position without interruption of coil formation when a predetermined coil of web has been formed; the web is cut by an automatic knife and the leading web edge produced is taken by another empty core mandrel supplied from a magazine into the first operating position; the fully wound coil is transferred from the second operating position to storage and the operating cycle is repeated; a force sensor is connected with the winding drum to measure the force that is exerted by the outer surface of the coil on the mandrel in the second operating position and a mechanical compensator is connected with the support that holds the mandrel in the second operating position; the output signal from the force sensor is fed into a control device that actuates the mechanical compensator to that the effective force exerted by the coil in the second operating position against the winding drum can be maintained at a predetermined value; and a drive is provided for central winding of the coil when in the second operating position.

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Cited by

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